

MoStrAct Study – Short Information Sheet
Version 1.0: 23/Oct/2024

We are looking for healthy volunteers to take part in a research study about movement



What is this study about?

We want to investigate **walking, mobility and muscle strength** within a variety of neurological disorders. We will have various tools that we can use to identify measurable characteristics of walking and mobility. These could be used in clinical and research settings by accurately measuring disability and changes over time.

We are studying **people with variety of neurological diseases**, including Motor Neurone Disease (MND), Parkinson's Disease (PD) and conditions relevant in the differential diagnosis of Parkinson's disease, Multiple Sclerosis (MS), Stroke, Ataxia (unsteadiness), Hereditary Spastic Paraparesis (HSP), Inherited Neuromuscular Disorders, Cerebral Palsy (CP) and Alzheimer disease and other cognitive disorders. **We will also recruit healthy volunteers** to compare the results to people without these conditions.

Whether or not you join in with the study does not affect your routine NHS care.

What will happen if I take part:

If you are interested in the study, you will be asked to read this information sheet (or a longer one) and sign a consent form.

We will ask you to come to the **Gait Analysis Laboratory at The University of Sheffield (Mappin Mining Block, Abney St, Sheffield**



City Centre, Sheffield S1 4DT). You can be accompanied by family, or a friend if you would like.



The research team will collect some key information about your health and you will be asked to **answer some questionnaires** about your quality of life, and wellbeing. You may be asked about **your experience using technologies in your health care**.



We will complete some physical assessments including walking and movement tests.



We will use our advanced measurement tools (marker-based gait analysis and pressure insole sensors) to record extra information about your movements during these assessments.



A gait analysis laboratory where we can complete detailed walking analysis using reflective markers.



Pressure sensor insole to be worn in the shoes which will be used during the walking analysis

The in-person visit including the questions and assessments will take up to **2 hours** of your time. We will refund your travel expenses or can arrange transport to the site for you.



After your first assessment:

We may ask you to **repeat** the assessments up to 3 times over 3yrs. This is because mobility and disease symptoms can change over time, so it is important that we monitor people using these tools. The researcher should make it clear what will be expected of you at the beginning of the visit.

You are free to say 'no' to repeating the assessment.



What will happen at the end of the study?

We will tell you about the findings of the study via a newsletter.

We would also like to be able to tell you about new studies in the future in case you are interested in joining.

We would like to make your study information available anonymously to other researchers in the world to help them answer medical research questions.



Risks:

There are no treatments involved, so the risk to you is low.

There is a small risk that when you do complete the assessments that you may fall. Also, since the tests involve performing physical activity, they may stress your heart. The team will be monitoring your safety, heart rate and blood pressure.

Please let the research team know if you have any concerns about this, at any time.

During the study:



If you have any questions, then please ask. You may decide, at any time, that you do not want to take part anymore. **This will not affect any of your care now, or in the future.**

We will always keep your information in strictest confidence.



What do I do next?

To let us know you are interested in the study, you can do one of the following:

- **Expression of interest form:** Please complete this form with your contact information and someone will get back to you <https://forms.office.com/e/Lq3s2anftY>

- **Email:** If sent this information sheet via email, you may respond directly to the invitation email or email the team at sth.mostract@nhs.net.

- **Telephone:** Contact a member of the study team on 0114 222 1899

There is a full participant information sheet which we can give you for more information on the study. To access this, scan the QR code or go to: <https://tinyurl.com/ymnpksnt>

